

Amendments to the Specification:

Please replace the paragraph beginning on line 31 of page 19 with the following amended paragraph:

The boiler or the reactor according to the invention comprises a reaction chamber 1, a separator 2 and a rear cage 3, as can be seen in figure 1. In the first variant (see fig. 1), these elements are aligned. A duct 4 connects the reaction chamber 1 to a separation chamber of the separator 2.

Please replace the paragraph beginning on line 2 of page 20 with the following amended paragraph:

The separator 2 includes a particle outlet 5. In different variants, the separation chamber of the separator 2 can be of the conventional round shape (figure 23), polygonal shape (figure 24), or square shape (figure 1 to 7 and 12 to 21).